

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/27/2020 11:39 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124047	-1	2.63	124116	2.74
Blue	F	SSC	125000	123155	-2	1.97	123958	2.01
Blue	E	FITC	15892	15361	-4	3.51	333	21.09
Blue	D	PE	29999	29496	-2	2.93	643	14.69
Blue	B	PerCP-Cy5-5	43732	43398	-1	4.36	1164	20.75
Blue	A	PE-Cy7	30845	30416	-2	6.7	583	42.9
Red	C	APC	46112	45377	-2	2.51	1602	12.07
Red	A	APC-Cy7	30458	29645	-3	2.37	782	12.24
Violet	B	V450	7918	7415	-7	5.87	414	13.95
Violet	A	V500	32171	30654	-5	5.76	712	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17391	11.61	624	3	N/A	N/A	Pass
Blue	F	SSC	55982	1.93	565	6	N/A	N/A	Pass
Blue	E	FITC	60	65.09	545	2	0.0177	89	Pass
Blue	D	PE	133	49.42	552	4	0.1679	267	Pass
Blue	B	PerCP-Cy5-5	213	51.48	660	4	0.0089	80	Pass
Blue	A	PE-Cy7	106	107.08	703	5	0.0098	15	Pass
Red	C	APC	381	25.37	589	5	0.0249	171	Pass
Red	A	APC-Cy7	171	30.07	561	5	0.0054	1180	Pass
Violet	B	V450	63	59.78	461	3	0.0473	1810	Pass
Violet	A	V500	106	32.79	478	4	0.0237	625	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.66	1.03
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.48
Red	15.35	13.60 - 20.40	N/A	N/A	29.07	29.58	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11092

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments